

The Chemical Age

Index to Volume LVI

January to June, 1947

A

- A.B.C.M. Safety Committee, 233
 Accidents with Explosives, 163
 Acetonitrile, Purifying, 433
 Acetylene from Carbon Dioxide, 799
 Acetylene Chemistry, Modern Developments in, 11
 Acetylene Developments, 408
 Acid Tank Fractures, 639
 Acrylic Resin Sheeting, New, 639
 Adhesives, Efficient, 18
 Alkali Works Reports, 227
 Alumina, Activated, 535
 Alumina by the Lime Soda Process, Production of, 149, 219, 339, 607, 717
 Aluminium Colour Process, 205
 Aluminium Price Rises, 382
 American Chemical Notebook, 285, 345, 404, 685, 709, 776
 Ammonia Nitrate, 591
 Ammonia Recovery from Coke Oven Gas, 683
 Aniline Dyes, 195
 Anti-knock Agents in Fuel Oils, 843
 Atomic Energy Workers, Inquiry into Health of, 669
 Atomic Illness, 465, 578
 Atomic Power Station in Cumberland, 738
 Atom Project, Oak Ridge, 738
 Atom Work and Health, 737

AUTHORS—

- Arend, A. G., Metallurgical Advances, 77;
 Avaliani, K., Chloride Determination by Mercurous Iodate, 518
 Banks, W. H., Some Recent Work in Colloid Science, 81
 Cass, W. G., Latest Trends in Powder Metallurgy, 5, 199; Colman Green, G., Progress in Drugs and Fine Chemicals, 72, 185, 311, 477, 643
 Davidson Pratt, J., Chemical Industry Today, 703; Dutton, G. G. S., Modern Developments in Acetylene Chemistry, 11; A New Notation for Organic Chemistry, 251
 Foxwell, Dr. G. E., Fuel Technology in 1946, 85
 Hardy, Eric, Palestine's Growing Pharmaceutical Industry, 651; Harkness, M. L. R., Production of Alumina by the Lime-Soda Process, 149, 219, 339, 607, 717
 Kent, Dr. A., Bicentenary at Glasgow, 636
 Maxted, Dr. E. B., Recent Progress in the Nitrogen Industries, 59
 Parrish, P., The Heavy Chemical Industry in 1946, 37; Prytherch, W. E., Production of Alumina by the Lime-Soda Process, 149, 219, 339, 607, 717
 Reavell, Brian M., Lead and Its Alloys, 21
 Sanderson, L., Precipitation Hardening, I, 202, II, 412, III, 741; Smith, I. C. P., Glasses for the Laboratory, 386; Glass in the Laboratory, 712; Spencer, W. D., Production of Alumina by the Lime-Soda Process, 149, 219, 339, 607, 717; Sumner, Prof. J. B., Enzyme Crystallisation, 71
 Wilson, Dr. C. L., Sub-Micro Analysis, 505
 Award to Dr. Dana, 640

B

- B.A. Meeting, 749
 Bauxite, More Uses for, 482
 Beet Sugar Manufacture, 533
 Benn Books, New, 28
 Bicentenary at Glasgow, 636
 B.I.F.—Castle Bromwich, 598
 B.I.F. Chemical Section, 20, 560
 B.I.F. Instruments Section 172
 B.I.F. in Full Swing 593
 B.I.F.—Olympia, 554
 B.I.F. Records, 590
 B.I.F., Scientific Instruments at the, 559
 Bitumen Fire, 771
 Bituminous Coatings, 172
 Boiler Plant for Chemical Works, Selection of, 376

BOOK REVIEWS—

- American Fabrics (Z. Bendure and G. Pfeiffer), 483; Annual Report on the Progress of Applied Chemistry, 445; Art of Soapmaking, The (A. Watt), 750
 Calcium Superphosphate and Compound Fertilisers: Their Chemistry and Manufacture (P. Parrish and A. Ogilvie), 383; Characterisation of Organic Compounds (F. Wild), 355; Chemical Constitution of Natural Fats (T. P. Hilditch), 782; Chemical Kinetics of the Bacterial Cell, The (C. N. Hinshelwood), 264; Chemistry for the Executive (R. K. Strong), 782; Concise Chemical and Technical Dictionary (H. Bennett), 722
 Dictionary of Plastics (P. I. Smith), 445; Dyeing of Textile Fibres (R. S. Horsfall and L. G. Lawrie), 295
 Economics in One Lesson (Henry Hazlitt), 844; Electronic Theory and Chemical Reactions (R. W. Stott), 483
 Kinetic Theory of Liquids, The (J. Frenkel), 688
 Let Us Know the Worst (Sir Ernest Benn), 618
 Micro-Diffusion Analysis and Volumetric Error (E. J. Conway), 654
 New Plastics, The (H. R. Simmonds), 844
 Poisons: Their Chemical Identification and Emergency Treatment (V. J. Brookes and Hubert N. Alyes), 539
 Polymerisation, The Theory of (H. R. Fleck), 722; Portland Cement Technology (J. C. Witt), 445; Practical Course in Agricultural Chemistry (F. Knowles and J. Elphin Watkin), 844; Practical Plastics (P. I. Smith), 483
 Stainless and Heat-Resisting Steel (E. Gregory and E. N. Simons), 618
 Textbook of Organic Chemistry (J. Schmidt and H. Gordon Rule), 419
 Boys' Hostel Association, 360, 581
 Bristol Oil and Colour Chemists' Association, 653
 Britain Can Make It, 135
 Britain's Chief Planner, 417
 British Aluminium Company, 444
 British Celanese, 619
 British Chemical Industry a Century Ago, The, 63
 British Industries Fair (Introduction), 553
 British Institute of Management, 124
 Bronze Castings, Porosity in, 745
 B.T.H. in 1946, 232
 Bulk Buying Figures, 798

C

Carbon Monoxide Indicator, Sensitive, 16
 Cement, Low Heat, 738
 Census of Industry, 17
 Centenary Celebrations, Overseas Chemists for, 669
 Century of Chemistry, A, 283
 Changes in Steel by Friction, 409
 Chemical Age Year Book, 4
 Chemical Congress, 633, 830
 Chemical Aspects of Norwegian Industry Today, 440, 469
 Chemical and Dyestuffs Traders' Association, 603
 Chemical Employers' Dinner, 401
 Chemical Engineering, 740
 Chemical Engineers, 436
 Chemical Expansion in Ceylon, 642
 Chemical Exports, 20
 Chemical Exports and Imports in January, 310
 Chemical Exports Fall Again, 829
 Chemical Exports in February, 375
 Chemical Exports in March, 563
 Chemical Exports in 1946, 192
 Chemical Exports, Reduced, 701
 Chemical Industry, Automatic Control in the, 708
 Chemical Industry, Society of, 735
 Chemical Industry Today, 703
 Chemical Information, Internationalising, 687
 Chemical Plant Available, 255
 Chemical Plant Factory, New, 736
 Chemical Plant in Miniature, 739
 Chemical Prices still Rising, 326
 Chemical Reactions on a Large Scale, Control of, 795
 Chemical Research in Scotland, 616
 Chemical Shortage in Chile, 617
 Chemicals from Petroleum, 466
 Chemistry Congress, 70
 Chemistry at Glasgow, 619
 Chemists Honoured, 381
 Chloride, Determination by Mercurous Iodate, 518
 Chrome Ore Prices, 257
 Chromic Acid Stocks, 604
 Ciba Report, 617
 Citric Acid, Import of, 436
 Coal Allocations, 132, 604
 Coal, Cleaner, 668
 Coal Conversion Plan, 508
 Coal Crisis Continues, 233
 Coal Cuts, Effects of the, 194
 Coal Figures, 379, 579
 Coal Figures Fall, 764
 Coal is Hampering Industries, Poor, 700
 Coal, Million Tons More, 132
 Coal-Oil Plan Halted, 798
 Coal Product on Rises, 700
 Coal Shortage Cuts Production, 169
 Colloid Science, Some Recent Work in, 81
 Columbium Nitride as Radio Detector, 482
 Commerce Conference, 668
 Control of the Chemical Industry, 127
 Copper Development, 84
 Corrosion of Buried Pipes, 474
 Crystallisation, 571

D

D.D.T.: Legal Rights to Name as Trade Mark, 580
 Dehydration with Activated Alumina, 285
 Derris Plantings in Tropics, 678
 Detergent Powder, New, 378
 Detergents and Instruments in German Laundries, 606
 Distex Hydrocarbon Separation Process, 838
 Distillation, Advances in, 171
 Distillers to Develop Plastics, 444
 "Drowsy" Cleaning Fluid, 290
 Drugs and Fine Chemicals, Progress in, 72, 185, 311, 477, 643
 Drying Oils, New Sources of, 223

EDITORIAL—

E

Adverse Trade Wind, 365; African Lead Prospects, 281; African Oil Scheme, 250; Alkali Inspectors' Report, The, 397; American Explosion, 496; Art and Commerce, 218; As We Were, 462; Autarchy, 663
 Bad Start, A, 591; Brake on Enterprise, 250
 Catalyst Ratio, 793; Chemical Engineering, 493; Chemical Glassware, 366; Chemical Humour, 282; Chemical Kipper, The, 4; Chemical Progress, 336; Chemical Society, The, 384; Coal and Chemicals, 184; Coal for Industry, 3; Coal Rationing, 114; Coal to Oil, 217; Collaboration, 828; Conditions of Service, 731; Conservative Plan, The, 632; Continental Power Plan, 733; Cost of Go-Slow, 114
 Damages and Income Tax, 366; Danger Limit, 700; Dear Sir, . . . 762; Deepening Shadows, 215; Design for Progress, 309; Diminishing Death Roll, 147; Domestic Explosive, 592
 Economic Value, 113; Education for Management, 697; Elementary Economics, 279; "Evasive" Salaries, 308; 1951 Exhibition, 249; Experts, 825; Exports Down, 827; Extent of Compensation, 665
 Fair Opens Again, The, 549; Fashions in Factories, 308; F.B.I. Statement, 399; Forty-four Hour Week, The, 217; Frustration, 827; Function of an Industrial Chemist, The, 589
 Great Frenchman, A, 183; Glimpses of the Obvious, 733; Gradual Recovery, 699; Graduates in Clover, 760; Great Scientists, 665
 High Priority Advocated, 552
 I.G. Farben, 631; Ill Rewarded Enterprise, 632; Imports Up, 827; Industrial Charter, 631; Industrial Development, 763; Industrial Paralysis, 247; Institute of Management, 148; International Exhibition, Proposed, 113; Inventive Genius, 666; Is It Dead? 631
 Journalistic Jubilee, 760
 Laboratories and Instruments, 495; Lighter Patents, The, 666; Looking Ahead, 759; Lord McGowan's Warning, 551
 Machinery Policy, A, 551; Management, 459; Mediocre Budget, A, 461; Mine Oyster, 363; Money for Science, 308
 National Balance Sheet, 184; New Fields, 793; No Scientific "Jargon," 461
 Oil Price Increases, 217; Overdue Education, 462
 Patient Prescribes, The, 427; "Points" Rationing, 365; Precious Metals, 761; Producer and Consumer, 430; Production Power, 495; Pulverised Fuel, 3
 Reports on German Industry, The, 111; Research Organisation, 629; Resurgam, 335; Rich Rewards, 337
 Saskatchewan Potash, 794; Scientific Babel, 761; Scientific Information, 1; Scientific Man-Power, 249; Scottish Mineral Resources, 181; Secrecy, 592; Security no Spur, 495; Shortage of Lecturers, 249; Sinister Salt, 734; "Spring Cleaning" in Industry, 35; Status of a Managing Director, 148; £100,000,000 Steel Plan, 551; Sticky Problem, A, 309; Swiss Chemicals, 429; Synthetic Glycerine, 282
 Tell the Layman, 461; Third in Command, 399; Trade in April, 699; Transport "Re-prieved," 337; Tuesday—100, 794
 Unpleasant Forecasts, 551; Up and Up, 699
 Very Private Enterprise, 281; Veto Again, The, 665
 Wage Rates in London, 113; Wages and Policy, 145; Wanted—A Slump, 429; Warning Figures, 307; World Supply of Tin, 3; World Trade and Britain, 791
 Effluents, Gasworks, 166
 Electrical Industry, Chemical Hazards in the, 809
 Electrical Instruments, 673

Editorial—continued

Electrical Measurements, 529
 Electrolytic Lithium, 19
 Electron Jubilee, 575
 Enzyme, Crystallisation, 71
 Electrodepositors' Technical Society, Coming of Age of, 101
 Equipment, Small, 509
 Exhibition Plans, Scottish, 811
 Explosion, London Barge, 737
 Explosives, Accidents with, 163

F

Factories Allocated, 284
 Factories Regulation, New, 197
 Factory Heat Balance, A, 766
 Fatal Explosion, 236
 Feed Water, De-aeration of, 702
 Fertiliser Society Formed, 375
 Fertilisers, Nitrogenous, 502
 Fireproofing of Fabrics, 380
 Fischer-Tropsch Process, The, 115
 Fish Oils, 613
 Fog Dispersion by Chemicals, 738
 Food Chemistry in Germany, 729
 Forgings, Non-Ferrous, 743
 Forty-four Hour Week, 379
 Fuel Abstracts, 474
 Fuel Conference, 638
 Fuel, Still Short of, 418
 Fuel Economy in Small Factories, 284
 Fuel Efficiency Scheme, 318
 Fuel for N.W., More, 318
 Fuel Saving, 10
 Fuel Technology in 1946, 85
 Fuels and Chemicals, 416
 Furnace, A New Box, 205

G

Gas Industry, Careers in the, 229
 Gas Research, Advances in, 577
 Gasworks, Effluents, 166
 G.E.C. Review of 1946, 206
 Glass in the Laboratory—II., 712
 Glass Silk, 634
 Glasses for the Laboratory, 386
 Glassware, Trends in Laboratory, 510
 Glycerine from Sugar, 601
 Government Power Plan, 764

H

Hard Materials, 259
 Heating Restrictions, Industrial, 579
 Heavy Chemical Industry in 1946, The, 37
 Herring Oil Industry, 466
 House of Benn, The, 257
 Hull Forge Dismantling, 264
 Hydraulic Control, New Use for, 527
 Hydrogen Peroxide as Propulsive Fuel, 14
 Hydrogen Peroxide Works, 254
 Hydrogenation Plant, 481
 Hydrolysing Ethyl Silicate, 322
 Hydrolysis of Fats, Continuous Process for, 322

I

I.C.I. to Extend Australian Alkali Plant, 579
 I.C.I. Factory near Liverpool, Proposed, 750
 I.C.I. Factories, New, 765
 I.C.I. Issues Plastics Patents Writs, 828
 I.C.I. Paying 2 per cent Bonus, 418
 I.C.I. Works May Move, 320
 Imports, Rise in, 668
 Indium Coatings to Protect Steel, 569
 Industrial Alcohol Bill in Eire, 272
 Industrial Research, 720
 Industry and the Crisis, 403
 Industry and the Road Ahead, 616
 Inorganic Chemicals, 776
 Insecticides Committee, Colonial, 652
 Institute of Chemistry, 484

Institute of Welding, 592
 Institution of Chemical Engineers, 102, 131, 463
 Instrumentation, Progress in, 528
 International Chemistry Congress, 775
 International Exhibition, 131
 International Fuel Economy, 408
 International Management Congress, 272
 Iron and other Metal Powders, Production and Uses of, 641
 Iron and Steel, £100,000,000 for, 565
 I.T.O. Plans Criticised, 474

K

Key Industry Duty, 17

L

Laboratory Planning, 503
 Laporte's, Full Production at, 798
 Lead and Its Alloys, 21

LETTERS TO THE EDITOR—

Chemicals, Unloading, 750, 813; Chlorinated Rubber, 332
 D.D.T.: Legal Rights to Name as Trade Mark, 580
 German Fertilisers, 813
 Licensing Procedure, 197
 Linseed Oil from Argentina, 40,000 Tons, 344
 Liquid Fuels from Natural Sources, 291
 Looking Back, 148

M

Management Problems, 133, 198, 261
 Magnesium Plant, New, 565
 Maximum Selling Prices, 197
 McGowan's Statement, Lord, 564
 Measuring Devices, New, 842
 Meldola Medal Awards, 843
 Metal Finishing Problems, 26
 Metal Powder Techniques to be Studied, 746
 Metal Trades, Unrest in, 764
 Metal Prices Up, 415
 Metallic Grains, Measuring, 529
 Metallurgical Advances, 77
 Methyl Alcohol from Lignite, 468
 Mexican Market, 225
 Mineral Production, Changes in, 837
 Modern Ice Plant, 195
 Mono-Esters, 634
 Mines Output Improves, 233
 More Miners, 13,000, 416

N

National Laboratories for India, 191
 Nationalisation Loss, 746
 Natural Gas, Wider Use of, 763
 News Events of 1946, 93
 Nitrogen Industries, Recent Progress in the, 59
 Nitric Acid Production Plant, 437
 Nitriding, 635
 Non-Ferrous Metals, 255
 Non-Ferrous Scrap Metals, 101
 Nottingham Thermometer Co. Apparatus, 517
 Noxious Gases, 195

O**OBITUARY—**

Arkinstall, Charles, 656
 Bairds, Benjamin Cox, 208; Barcroft, Sir Joseph, 392; Blair, W. F., 132; Blumenthall, Walter, 298; Bottomley, J. Floyd, 542; Boyd Quibell, W., 28; Buchanan, William, 772
 Donegani, Guido, 580; Douglas, Thomas, 846; du Cane, Sir John Phillip, 448
 Falconer, Dr. John Downie, 542; Flett, Sir John Smith, 208; Fredericia, Prof. L. S., 354
 Graham, Cyril S., 489; Gowland Hopkins, Sir F., 689

Obituary—continued

- Hatrick, Osbourne Ronald, 448; Holland, Sir Thomas, 689
 Ingram, Alexander A., 132
 Jacques, Dr. Arthur, 132; Jay, Dr. Alfred Hartley, 327
 Leech, S. W. T., 236; Leven and Melville, The Earl of, 173
 Marmion, P. E., 846; Matthew, Patrick Miller, 354; McKie, John, 656
 Parrish, P., 749; Patino, Senor Simon Irturbi, 542; Phillips, William Turberville, 327
 Ramsden, Dr. Walter, 420; Redman, Dr. L. V., 100; Reed, A. Elder, 354; Roche Bond, Walter de la, 656
 Schutz, Prof. P. W., 846; Scott, Dr. Alexander, 354; Shoesmith, Fred, 270; Sussmann, Dr. Otto, 236
 Tilley, Harry, 327; Tipper, G. H., 846
 Velisek, Dr. J., 846

Octane Spirit with Aluminium Chloride

- Catalyst, Production of High, 260
 Oil from Africa, 255
 Oil and Colour Chemists' Association, 575
 Oil and Meal from Herrings, 764
 Oil from Natural Gas, 286
 Oil Palm, The, 508
 Oil Prices, Big Increases in, 224
 Oil Prices Increased, 382
 Oil Supplies, Stretching, 639
 Oils, Improved Drying, 635
 Oils, Splitting of Non-Drying, 667
 Organic Chemistry, A New Notation for, 251
 Organic Chlorine Compounds, 445

OVERSEAS—**ARGENTINA—**

- Linseed Oil, 344

AUSTRALIA—

- Alkali Plant, I.C.I. to Extend, 579; Aluminium Chemistry, 402
 Industrial Chemicals, 671
 Metals, Development in, 775
 Plastic, New, 675
 Science Review, 530
 Tariffs, 585

AUSTRIA—

- Revival of Technical Journals, 615

BELGIUM—

- Belgo-Luxembourg Chemical Market, 639

CANADA—

- Acid Industry, 807; Aniline Dyes, 195;
 Atomic Research, 833
 Chemical Industry, 806
 Expansion, Canadian, 225
 I.G. Farben's Canadian Interests, 846
 Patent Legislation, 710
 Trade, 324
 Zinc Refinery, A New, 204

CEYLON—

- Chemical Expansion, 624; Chemical Projects, 439
 Mineral Researches, 508
 Quinine Prospects, 675

CHILE—

- Chemical Shortage in Chile, 617

CZECHOSLOVAKIA—

- Chemical Mission, 343, 407
 Patents, Taxation of, 436
 Two-Year Plan, 321

DUTCH COLONIES—

- Derris Plantings in Tropics, 678

EAST AFRICA—

- Lead Prospects, 281
 Oil Scheme, 250

FRANCE—

- Alumina, Activated, 535
 Chemical Finance, 268; Coal and Power, 351;
 Colonial Oilseeds, 224
 Fertilisers, 502; Fuel and Power, 129; Fuel Oil, 430
 Iron and Steel, 567
 Liquid Fuel from National Sources, 291
 Methyl Alcohol from Lignite, 468
 Regulations, 668
 Sulphur, 323
 Vegetable Oils, 832

GERMANY—

- Acetylene Developments, 408; Aluminium Developments, 159
 Carbide, 481; Chemical Directors on Trial, 624; Chemical Industries, 352; Chemical Output, 92; Chemicals, Details of, 614; Chemicals, 18; Chemists Indicted, 810; Coal-Oil Industry, 537
 Detergents and Instruments in German Laundries, 606
 Fertiliser Plant, 779; Food Chemistry, 728
 Glass Industry, 780; Glycetine from Sugar, 601
 Heavy Industries, 438; Hydrogen Plant, 481
 Industrial Future, 810
 Paint Industry, 289
 Reports on German Industry, The, 111
 Security Measures in German Factories, 475; Shale Oil Production, 407; Signs of Recovery in Germany, 262; Silicon Chemistry, 711; Steel Standards, 266, 415

HOLLAND—

- D.D.T.: Legal Rights to Name as Trade Mark, 580
 Notes from Holland, 532
 Rising Production, 262
 Trade Marks, 771

HUNGARY—

- Chemical Industry, 323

INDIA—

- Chemical Industry, 653; Chemical Research, 716; Chemical Tariffs, 297; Chemicals, 601
 Developments, 436; Drugs from Kashmir, 779
 Enterprise in India, 225
 Marine Chemicals, 405, 431
 National Laboratory, 678; National Laboratories, 191

IRELAND—

- Dublin Colloquium, 766
 Industrial Alcohol Bill, 272

ITALY—

- Beet Sugar Manufacture, 533
 Copper Compound Substitutes, Italy Finds, 670
 Fertiliser Shortage, 642
 Industrial Report, 811
 Montecatini Production, 640
 Recovery, 225
 Sulphur Industry, 670

MEXICO—

- Mexican Market, 225
 Plastics, 537

NEW ZEALAND—

- Bauxite, Tasmanian, 234

NORTH AFRICA—

- Ice Plant, Modern, 195

Overseas—continued

NORWAY—

Chemical Aspects of Norwegian Industry
Today, 440, 469
Marine Oils of Norway, 679

PALESTINE—

Notes, 778; Pharmaceutical Industry, 651;
Superphosphate Factory, 191

POLAND—

Chemical Industry, 747

RUSSIA—

Chemical Industry, 125

SOUTH AFRICA—

Chemical Notes, 130, 350, 649, 770, 808
Oil, 255

SPAIN—

Alcohol and Formaldehyde, 781
Soap Industry, 674

SWEDEN—

Imports, 538
Oils, Drying, 635
Wood Pulp Industry, 781

SWITZERLAND—

Ciba Report, 617
Raw Materials, Lack of, 263

U.S.A.—

Alkaline Immersion Cleaner, The Best, 531;
Aluminium Production, 1946, 566; Ammonium Nitrate, "Golden West" Cargo of, 776; Anti-Malarial, Progress with, 723; Atom Project, Oak Ridge, 738; Atomic Research Laboratory, 321
Babcock and Wilcox Co., 531; Box Furnace, 205
Chemical Price Reduction, 650; Chemical Production, 320; Chemical Profits, 382; Chemical Society Award to Dr. Dana, 640; Chemicals, Basic Inorganic, 710; Chlorine Products Division, I. E. du Pont de Nemours & Co.'s, 776; Chromite with Fluoride, A Patent for the Froth Flotation of, 650; Copper, Lead and Zinc Prices, 776
Distillation, Advances in, 171
Explosion, 496; Export Allocations, 686; Export Controls Removed, 576
Flaxseed and Linseed Oil, Import Licences for, 709
G.E.C. Review of 1946, 206; Goodyear Tyre & Rubber Co., The, 709
Hydrocarbons, 20,000,000 Dollar Chemical Plant to Process, 709
I.G. Farben, 631; I.G. Farben, American Efforts to Break Up, 685; I.G. Farbenindustrie Processes, 834; Industrial Outlook in U.S.A., 267; Inorganic Chemicals, Production of, 834; Isotopes, Production of, 834
Legislation for Research, 723
Magnesium Metal, 650; Metal Powder Techniques to be Studied, 746; Metallurgical Reports, 416; Methylal, 650; Methyl Ethyl Ketone, 776; Mineral Resources, 296; Monsanto Chemical Co., 531; Monsanto Chemicals, Record Year for, 418; Monsanto Disaster Unsolved, 734; Monsanto Plant Blasted, 498
Nitriding, 635
Oil from Natural Gas, 286; Oil Supplies, Stretching, 639; Oxygen, Pressure of, 835
Perchloric Acid Solution, 776; Petroleum Research, 686; Pharmaceuticals, Production of, 650; Pickling Liquors, 710; Plastic Manufacture, Installation of Equipment for, 650; Plastics Exposition, National, 710; Polystyrene Plants, 162; Polystyrene

Plastic, Production of, 686; Polythene, Price of, 834; Potash, French, 531; Pyridine Compounds, Experiments with, 709; Pyrometer, "Split Second," 515; Pyrometer, Shielded, 673; Products, New, 324
Raskob, William R., 710; Reppe's Chemistry, 685; Resin Plant, New, 605; Rocket Ammunition Regulation Amended, 709
Silicon Carbide Articles, 165; Soapmaking, Continuous, 634; Standard, New American, 685; Steel Companies' Earnings, 834; Synthetic Exports, 605; Synthetic Glycerine, 282
Texas Explosion, 605; Tin Smelter, Texas City, 834
Underground Gasification, 344
Wages in U.S. Chemical Industry, 648; Water in Fluorine Refrigerants, 652; Water Supplies, Heavy, 736; World Welding Competition, 196
Zinc and Manganese Deposits, 204
Oxygen, Pressure of, 635
Oxygen, Large Scale Production of, I, 767, II, 801, III, 835

P

Paint Industry, German, 289
Paints, The Chemical Study of, 799
Paints from Wool Grease, 485
Paper-making Substitutes, 437
Parliament and the Chemical Industry in 1946, 89

PARLIAMENTARY TOPICS—

Aluminium, Canadian, 655; Aluminium Houses, 845; Aluminium: Provisional Price, 581; Atomic Chemical Products, 235; Atomic Energy Prospects, 814; Atomic Workers, Safeguarding, 619
Butyl and Urea Alcohol, The Allocation of, 540
Carbon Black, 235, 845; Census of Production, 390; Chemists' Terms of Service, 581; Chlorine Prices, 353; Civil Service Scientists, 845; Coal May Cost £8 Ton, 814; Coal, Poor, 235; Coal Target, National, 581; Copper and Zinc Regulation, 235
D.D.T. Cartel, No, 196
Fuel Oil from Russia, 845
Gas from Mines, 390; German Chemical Industry, 814; German Chemical Plants, Future of, 655; Glassblowers, Shortage of, 845; Glycerine, Exports Up, 655; Government Imports, 845; Government-Aided Research, 677; Groundnut Crop, 353; Groundnut Scheme, 390
Iron and Steel Order, 677; Isotopes, No U.S., 619
Lime Shortage, Burned, 814; Linseed, No Dutch, 814; Linsed Oil, 235; Low Temperature Carbonisation, 446
Magnesium Chloride Imports, 390; Magnesium, Dead Sea, 845; Metal Buying, Bulk, 619; Metal Salvage, 677; Minerals, Exploiting British, 353; Mineral Development, Scottish, 265; Miners Unemployed, 619; Ministry Offices, Heating of, 235; More Dollar Purchases, 446
New Factories, 265
Oil Firing Priority, 353; Oil Prices, 265; Oil, No Rumanian, 845
Patents Law, Review of, 814; Plant on Loan, 446; Plaster of Paris Needed, 814; Plate Glass Exports, 196; Potash Fertilisers, 265
Research, Funds for, 619
Scientists Will Help, 390; Soap Exports, 235; Soda Ash Shortage, 196, 446; Soda from Kenya, 390; Steel Development Plans, 265; Steel Imports Duties, 19, 265; Steel Wanted, More, 814; Steel Industry, Nationalisation of, 446; Steel Production, 196; Steel Production, German, 677; Steel 70,000 Tons Less, 655; Streptomycin, Supplies of, 581; Sulphate of Ammonia, 540; Surplus Generators, 353; Thorium Ltd., Government Acquire, 814

Index vi

Patent Legislation, Canadian, 710
 Patent Rules, 618
 Patents, International, 534
 Pay Evaluation, New, 579
 Peat Conference, 668
 Peat Industry for Scotland, A, 293
 Penicillin, Electronic Drying of, 338

PERSONAL—

Aikman, Mr. C. H., 542; Akeroyd, Frederick, 270; Allen, Dr. F. L., 28; Anderson, Dr. J. S., 784; Appleby, Dr. M. P., 420; Apple-
 yard, Sydney H., 489; Ashton, Mr. V., 173;
 Aspden, Donald N., 298; Assheton, Mr.
 Ralph, 620; Attlee, The Rt. Hon. C. R.,
 691; Austin, Prof. Wesley, 691
 Bain, Sir Frederick, 136, 620, 656, 691;
 Baistow, Mr. G. E., 28; Ball, Dr. S. H., 392;
 Bamford, Mr. W. B., 236; Barker, Mr.
 H. W., 691; Barnes, G. G., 542;
 Barnett, Mr. G. P., 392; Barr, Mr. W., 28;
 Beadle, Mr. Walter J., 656; Beal, Dr.
 George P., 236; Bearder, Mr. A. E., 420;
 Bedford, Mr. G. E., 656; Benn, Mr. Glanville,
 420; Bennett, Mr. J. B., 208; Betteridge,
 Mr. T. C., 327; Birch, Mr. F. W., 236; Bird,
 Mr. C. L., 236; Board, Sir Vyvyan, 100;
 Booser, Dr. J. R., 752; Bott, Mr. E. C. B.,
 100; Bowen, Mr. H. H., 448; Bradbury,
 Prof. Fred., 691; Brearley, Mr. G., 100;
 Briggs, Lt.-Col. Ernest, 100, 752; Broadbent,
 Mr. F., 100; Brotherton, Mr. C. F. R., 28;
 Brown, Sir Harold, 448; Bruce-Gardner,
 Sir Charles, 100; Brunton, Mr. George, 327;
 Bryson, Mr. H. Courtney, 724; Bugge, Mr.
 E. T., 752; Burrows, Alderman W., 816;
 Butchart, Mr. H. D., 420; Butterworth, Mr.
 H. Scott, 489; Buxton, Mr. John D., 489
 Calderhead, Mr. W. M., 173; Campbell, Dr.
 A. H., 392; Carey, Mr. Walter, 173; Carr,
 Mr. W. E., 620; Carr Deakin, Mr. Edward,
 656; Champion, Mr. J. R., 298; Chastenev,
 Mr. H. E., 298; Chilton, Mr. L. V., 816;
 Coates, Mr. W. H., 28; Cocking, Mr. T. T.,
 392; Cohen, Mr. C. M., 392; Colbeck, Mr.
 E. W., 620; Coles, Mr. H. P., 208; Cookson,
 Mr. Clive, 846; Cooper, Mr. C., 100; Copp n,
 Mr. Noel G. S., 752; Coppock, Dr. J. M. B.,
 392; Coulson, Dr. C. A., 420; Courtauld,
 Samuel, 298; Coyne, Dr. F. P., 691; Craven,
 R. V., 752; Cronshaw, Mr. C. T. J., 100,
 448; Crosland, Mr. C. K., 489; Crowther,
 Mr. J. G., 327; Cullen, Dr. William, 691;
 Curd, Dr. S. H. S., 846
 Dale, Sir Henry, 752; Davey, Dr. D. G., 846;
 Davey, Dr. W. C., 691; Davidson Pratt,
 Mr. J., 620; Davis, Mr. B. J., 542; Day,
 Mr., 656; Delaby, Prof. R., 208; Denni-
 son, Mr. J. B., 620; Deuchar, Mr. J. L., 420;
 Diamond, Dr. W. E. de B., 327; Dring,
 Mr. G., 392; Doley, Mr. W. Norman, 582;
 Donald, Mr. M. B., 100; Donaldson, Mr.
 James W., 173; Douglas, Mr. John R., 136;
 Dunbar, Mr. Malcolm, 420, 752; Dymock,
 Mr. R. C., 28; Dyson, Dr. G. Malcolm, 448
 Edwards, Mr. Bob, 582; Edwards, Mr. W. A.,
 656; Eekerton, Sir Alfred, 136; Ellingham,
 Mr. H. T. J., 270
 Ferguson, Mr. M. H., 208; Fitzgerald, Mr.
 J. P., 691; Fleck, Dr. Alexander, 270;
 Fleming, Mr. Alexander Greig, 208;
 Fleming, Sir A. P. M., 28, 656; Forster,
 Mr. M. L., 489; Foster, Mr. W. W., 448;
 Fowler, Mr. E. T., 448; Freeman, Mr.
 Norman J., 582; Freeman Horn, Mr., 816;
 Frisch, Dr. Otto Robert, 448
 Gardam, Dr. G. E., 816; Garner, Prof. G. H.,
 846; Garrett, Dr. W. H., 270; Gartshore,
 Mr. J. F. C., 100; Gee, Mr. Geoffrey, 582;
 Gerard, Mr. F. H., 752; Gewing, Dr.
 Markus, 298; Gibb, Mr. J. W., 28; Gibbs,
 Mr. Victor G., 691; Gibbs, Lt.-Col. W. D.,
 784; Girvan, Mr. A. F., 724; Gotthelfeldt,
 Dr. H., 507; Gray, Mr. James, 236; Gray,
 Mr. E. M., 656; Green, Mr. E. Basil, 542;
 Greenwood, Mr. F. W., 327; Grundy,
 Mr. A., 846; Guilan, Lt.-Col. S. C., 816
 Hague, Mr. C. K. F., 298; Hall, Mr. W. L.,
 620; Hamer, Mr. W. E., 298; Hand, Mr.
 T. W., 28; Hann, Mr. F. F., 489; Harden,
 Dr. F. Taylor, 173; Hardie, Dr. D. W. F.,
 298; Harris, Mr. T. E., 656; Harrison, Mr.
 C. S., 489; Hartley, Mr. F., 28; Hartley, Dr.
 Harold, 784; Hartog, Mr. H. W., 784; Hasty,
 Mr. George, 489; Haughton, Dr. J. L. and
 Mrs., 298; Haworth, Mr. M., 136; Haworth,
 Prof. W. N., 28; Haworth, Prof. Sir
 Norman, 392; Haworth, Sir Walter, 691;
 Hedgescock, Mr. J. W., 691; Heron, Mr. Neil,
 816; Hessenberg, Mr. W. C. F., 136; Hewett,
 Dr. C. L., 392; Hewitt, Mr. Forrest, 136;
 Hewlett, Mr. John Ernest, 448; Heyworth,
 Mr. Roger H., 298; Hickinbottom, Dr.
 W. J., 784; Hicks, Mr. Donald, 136; Hill,
 Mr. B. P., 327; Hill-Wood, Mr. W. W. M.,
 724; Hirst, Prof. E. L., 656; Hively, Mr. W.,
 691; Hodgson, Dr. H. H., 136, 448; Hoffman,
 Dr. James Irvin, 542; Holden, Allan J., 327;
 Hollins, Mr. Harold, 542; Hollins, J. W. B.,
 489; Hollis, Mr. C. E., 392; Holmes, Dr. E.,
 752; Holt, Mr. R. W. P., 270; Howat, Dr.
 David D., 846; Huebner, Mr. C. F., 582;
 Hunt, Mr. Francis William, 357; Hunter,
 Mr. Ellis, 236; Hunter, Mr. J. S., 100;
 Huntley, Mr. J. G., 724; Hurleston, Mr.
 E. H., 392; Hutchinson, Mr. James Seller,
 448; Hutchison, Mr. W. K., 236;
 Innes Dick, Mr. A. B., 620; Irvine, Mrs. Jean
 Kennedy, 784; Irving, Mr. G., 100
 Jenkins, Mr. George S., 236; Jenkins, Messrs.
 W. A. & E. P., 489; Johnson, Mr. "Charlie,"
 846; Johnson, Mr. F. B., 357; Jolly, Mr.
 J. H., 173; Jones, Mr. H. J., 752; Jones,
 Prof. T. David, 28; Joseph, Sir Francis,
 420; Ju Hwa Chu, Dr. Edith, 357; Jukes,
 Mr. R. S., 270
 Kerr, Prof. William, 357; Kidd, Dr. Franklin,
 620; Kiehlberg, Mr. F. K., 100; King, Mr.
 A. Charles, 327; King, Dr. J. G., 542;
 Knight, Mr. A. R., 236
 Lampitt, Dr. L. H., 270; Langwell, W. H.,
 392; Larke, Sir William J., 620; Latham,
 Mr. G. H., 542; Law, Mr. Richard, 489;
 Lea, Dr. C. H., 724; Lean, Dr. Bevan,
 298; Leather, Mr. C. B., 298; Lee, Mr.
 Roger M., 816; Lennard-Jones, Sir John,
 420; Lewellyn, Mr. I. P., 100; Lewis, Mr.
 J. P., 816; Lindley, Mr. J., 489; Lindsell,
 Sir Wilfred, 298; Longmuir, Mr. J. B., 208;
 Lowe, Mr. Austin, 392; Lowe, Mr. R. W.,
 691
 Macaskill, Mr. J., 327, 542; Mackenson,
 Mr. T., 846; Mackenzie, Mr. F. H., 327;
 Mackie, Mr. Douglas R., 582; Macmillan,
 Mr. W. M., 691; Marchand, Mr. T. J., 489;
 Marland, Mr. Osman Peter, 724; Marshall,
 Mr. D. O., 691; Marshall, Mr. R., 28;
 Martin, Dr. D. C., 28; Martyn, Mr. S. T.,
 448; Masterman, Mr. C. A., 136; McCracken,
 Mr. J., 28; McCulloch, Mr. Andrew, 208;
 McDougall, Mr. M., 208; McFarlane, Miss
 Joyce E., 489; McGowan, Lord, 100;
 McIntosh, Mr. Angus F., 691; McKillop,
 Mr. J., 100; McLaren, Mr. G., 691; Mearns,
 Mr. E. A., 357; Mees, Dr. C. E. K., 816;
 Meseson, Mr. N. J. L., 392; Merrick, Mr.
 H. S., 100; Merritt, Mr. R. P., 691; Middle-
 ton, Mr. A. H., 298; Mitchell, Mr. J. S., 752;
 Monnet, M., 582; Morris, Mr. L., 656; Muir,
 Mr. John Gibson, 784; Muirhead, Mr.
 A. H. V., 298; Murray, Mr. J. R., 420;
 Myers, Mr. Cecil, 582
 Nairn, Mr. G. A. S., 100, 656; Naylor, Mr.
 T. R., 448; Newton, Mr. C. S., 236; Norton,
 Mr. J. W., 582
 O'Brien, Mr. L. P., 816; Ockrent, Mr. C., 28;
 Offer, Mr. T. J., 327; Oppenheimer, Sir
 Ernest, 620; Ormrod, Mr. J., 448; Osborn,
 Mr. F. W., 136; Oxley, Mr. John Calvert,
 270
 Paine, Mr. C., 752; Parman, Mr. S. W., 592;
 Peden, Miss Joan D., 752; Penny, Mr. T.,
 100; Peters, Mr. H. R., 100; Peters, Prof.
 R. A., 752; Petrie, Mr. James, 357; Pfeil,
 Mr. L. B., 28; Philips, Dr. Henry, 691;
 Philpot, Mr. A. J., 448; Plowden, Sir Edwin

Personal—continued

- Noel, 136; Polyani, Prof. M., 28; Potter, Mr. H. V., 620; Pratt, Dr. D. D., 28; Price Russell, Dr. Robert, 173, 724, 752; Pu, Mr. Tsung-Nao, 236
 Quastel, Dr. J. H., 846; Quill, Mr. E. C., 136
 Ralston, Dr. Anderson W., 392; Rees Jones, Mr. A., 100; Reid, Dr. J. H., 752; Richardson, Mr. F., 236; Richardson, Mr. Rennie, 724; Robertson, Mr. T. A., 752; Robinson, Sir Robert, 357, 691, 724, 846; Robson, Mr. Stanley, 173; Rockefeller, Mr. L. S., 236; Roe, Mr. David E., 270; Rolfe, Mr. H. G., 28; Rose, Dr. F. L., 846; Rothera, Mr. L., 28; Rowlands, Mr. J. R., 270; Roxburgh, Mr. A. S., 691; Rundle, Mr. W. A., 452
 Sagar, Mr. Laurence H., 582; Salisbury, Sir Edward, 448; Scopes, Mr. F., 236; Secker, Mr. H. W., 173; Shacklady, Mr. Thomas, 656; Shallcross, Miss I. M., 357; Sim, Mr. L. A., 752; Simon Thomas, Mr. A. E. J., 100, 298; Smith, Mr. H. A., 691; Smith, Mr. T. J., 28; Speirs, Mr. R. K., 620; Spencer, Mr. C. H. Douglas, 298; Spencer, Dr. James F., 784; Spooner, E. C. R., 784; Sprange, Mr. S. F., 691; Standen, Sir Leonard Pearce, 173; Stanier, Sir William, 656; Stathan, Mr. F., 752; Stine, Dr. C. M. A., 200; Stokes, Mr. R. H., 489; Street, Sir E. Raymond, 420; Stuart-Kregor, Mr. C., 691; Stuckey, Dr. R. E., 392; Sutherland, Dr. Margaret M. J., 489; Swann, Mr. A. S., 327; Sylvester, Mr. A. E., 136
 Taylor, Mr. P., 448; Temple, Mr. F. J., 298; Tenney, Dr. A. H., 208; Thomas, Dr. C. A., 136, 846; Thomson, Mr. George H., 489; Thornley, Mr. J. M., 489; Thornton, Mr. Peter, 298; Tizard, Sir Henry, 236; Tompkins, Dr. F. C., 794; Trafford, Captain Rudolph de, 784; Trimble, Mr. W. Stewart, 270; Turner, Mr. G. M., 784; Turner, Mr. Thomas, 752; Tyler, Mr. C., 752
 Urey, Prof. H. C., 656
 Waine, Dr. A. C., 656; Walker-Leigh, Mr. W. E. O., 691; Wardlaw, Prof. William, 270; Warter, Sir Philip, 420; Watson, Mr. Glenn S., 298; Watson-Watt, Sir Robert, 173; West, Sir F. J., 28; West, Dr. T. F., 846; Westbrook, Mr. T. C. L., 489; Whitaker, Mr. C. M., 28; Whitehead, Commander E., 270; Whitehead, Mr. J. H., 236; Wikner, Mr. S. A., 327; Willcox, Mr. T. M., 656; Williams, Mr. G. F., 28; Williams, Mr. W. J., 327; Wilson, Dr. K. B., 816; Winter, Mr. R. M., 784; Wishart, Mr. J. M., 100; Woodhouse Smith, Mr. E., 28; Woodward, Dr. F. N., 691; Woollatt, Mr. E., 100; Wright, Mr. J. S., 582; Wyde, Mr. T. Rowland, 298

- Petroleum, Chemicals from, 319
 Petroleum Sulphonates, 317
 Phenols, Production of Synthetic, 676
 Plastic, New Australian, 675
 Plastic Pouring Jug, 258
 Plastic Television Lenses, 722
 Plastics, More Mexican, 537
 Plastics, New Scottish, 828
 Poles for Iron Smelting Industry, 292
 Politics and Education, 748
 Polystyrene Plants, 162
 Potash Finds, 352
 Powder Metallurgy, Latest Trends in, 5, 199
 Powell Duffryn Limited, 800
 Power Cuts Close Factories, 256
 Power Units, Quest for, 379
 Precipitation Hardening, I, 202, II, 412, III, 741
 Prevention of Corrosion, 26
 Printing Inks from Petroleum, 800
 Process Costing, 613
 Progress in Drugs and Fine Chemicals, 72, 185, 311, 477, 643
 Propellants, Solid and Liquid, 367
 Pulp Price Increases, Chemical, 655
 Pyrometer, Rapid Recording, 515
 Pyrometer, Shielded, 673
 Pyrometers, Industrial, 516

Quinine Prospects, Ceylon, 675

Q

R

- Radio-Chemical Laboratories, 514
 Raw Materials, Price of, 473
 Refractory Linings, Testing, 843
 Reinstatement Appeal, 270
 Reinstatement Case, 579
 Registration of Business Names, 772
 Research Company, New, 258
 Research Must Expedite Recovery, 400
 Resin Plant, New, 605
 Regulations, French, 668
 Resistance Welding Handbook, 13
 Rising Wholesale Prices, 132
 Road Haulage Restriction, 265
 Royal Institute of Chemistry, Luncheon and Annual Meeting, 576
 Royal Institute of Chemistry, April Examinations, 833
 Rubber, Chemistry of, 268
 Rubber, Chlorinated, 707
 Rubber Production, 678
 Russian Chemical Industry, 125

S

- Salt Difficulties, 810
 Salt in War and Peace, 773
 Science and Fuel, 496
 Scientific Methods, 737
 Scientist Shortage, 762
 Scottish Chemical Production, 338
 Scottish Coal Distillation Plant, 444
 Scottish Exhibition, 721
 Security in the Chemical Works, 266
 Security Measures in German Factories, 475
 Semi-Technical Chemical Plant, 519
 Seven-Day Week, 473
 Shale Industry Collapse Forecast, 465
 Shale Workers, Increase for, 764
 Shorter Working Week, 218
 Silicon Chemistry, German, 711
 Silicon Carbide Articles, 165
 Soap Industry, Spanish, 674
 Soapmaking, Continuous, 635
 Soda-Ash Falls, Output of, 132
 Society of Public Analysts, 419
 Soft Drinks Order, 382
 Solvent Recovery Plant Using Activated Carbon, Automatic, 765
 South African Chemical Notes, 130, 350, 649
 Spectrographic Standards, 415
 Standard Chemicals Factory, New, 436
 Statistics, Digest of, 126, 255, 602
 Status of Foremen, 604
 Staveley Coal & Iron Co. Ltd., 570
 Steel Allocation, 443
 Steel and Iron Cut, 473
 Steel Nationalisation, 473
 Steel Plan and Scotland, 270
 Steel, Post-War, 744
 Steel Programme Started, Increased, 746
 Steel Workers, Lack of, 813
 Steel Works Shut-down Averted, Scottish, 602
 Sub-Micro Analysis, 505
 Sulphate of Ammonia, 160
 Sulphur Dioxide in London, 638
 Sulphur Industry, Italian, 670
 Sulphuric Acid, 258, 667
 Superphosphate Factory, New Palestine, 191
 Surplus Acid, 417

T

- Tar Distillers' Record Year, Midland, 171
 Tar Oil Blaze in Glasgow, 639
 Tasmanian Bauxite, 234
 Technical Colleges and Research, 467
 Technical Literature, 772
 Technical Publications, 654, 724, 758
 Technical Trends, 232
 Texas Explosion, 605
 Thiophene Production, 778

T

Tin Metal, 197
Tin Metal, Allocations of, 205
Tin Position, U.K., 134
Tin from Siam, 25
Tin Shortage, World, 415
Tinplate Modernisation, Welsh, 304
Titanium for Enamelling Steel, 569
Titanium Pigment Manufacturers' Committee,
655
Trade Marks, Dutch, 771
Trade Marks, New, 232
Tragedy of "Brilliant Chemist," 208
Trioxane, 267

U

Unemployment Coming: I.C.I. Chairman, 580
Underground Gasification in U.S., 344

V

Vacuum Evaporation, High, 504
Vitreous Enamel Standard, 721

W

Wages Dispute, London, 76
Wages in U.S. Chemical Industry, 648
War Chemicals for Industry, 839
Water in Fluorine Refrigerants, 652
Water Purification, Chemicals in, 812
Water Supplies, U.S. Heavy, 736
Wax from Peat, 293
Welsh Industries Fair, 20
Welsh Steel Plan, 534
Wholesale Prices in 1946, 165
Widnes Industrial Exhibition, 476
Work or —, 146
World Welding Competition, 196
World's Largest Tin Dredge, 439

Z

Zinc Development, 568
Zinc and Manganese Deposits, 204
Zinc Refinery, A New, 204

